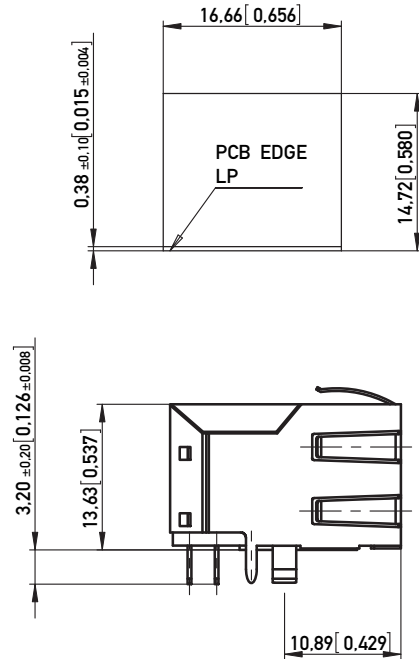
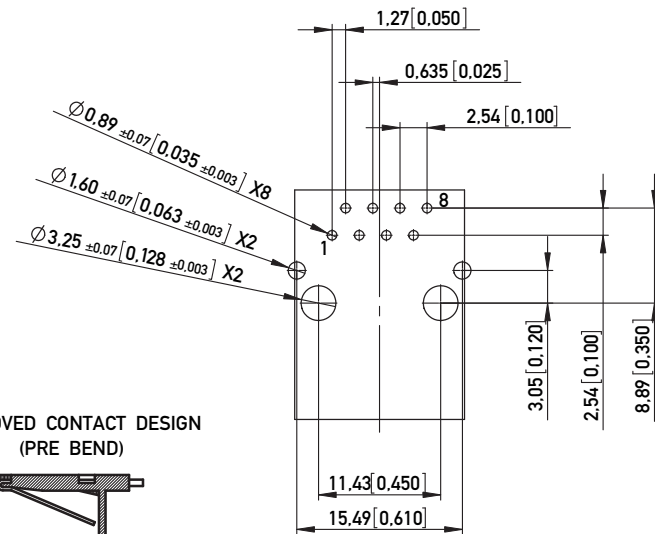


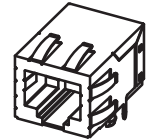
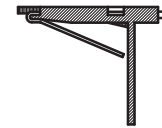
RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL. ±0.05 [0.002] UNLESS NOTED



IMPROVED CONTACT DESIGN
(PRE BEND)



1:1

- NOTE 1: SIDE SHIELD TABS IN REAR 3.05 mm
NOTE 2: PANEL GROUND FLANGES BOTH SIDES AND TOP (GF5)
NOTE 3: RoHS COMPLIANT

Technical specifications

Materials & Finish

Standard applic.	Value
Insulation body	Standard description PBT 30%
Contact material	Standard description C5210 (acc. JIS)
Contact finish, mating zone	Thickness of plating 30 µin Au over 50 µin Ni
Contact finish termination zone	Thickness of plating 80 µin matte Sn over 50 µin Ni
Shell/shield material	Standard description C2680 (acc. JIS)
Shell/shield plating	Thickness of plating 50 µin Ni

Assembly process

Packaging	Tray
Solder temperature	235°C at 3-5s
Suitable assembly process	wave

Approvals

UL insulation body	UL 94	V0
UL File No.		E145613
RoHS compliant		Yes

Test Data

Standard applic. Value

Mechanical properties

Insertion/withdrawal force	IEC 603-7	max. 20 N
Mechanical operations	IEC 512-5, 9a	min. 1.000
Effectiveness of connector coupling device	IEC 512-8, 15f	50 N

Electrical properties

Creepage / clearance distances

a) Contact - contact	IEC 807-3	0.52 mm
b) Contact - shell	IEC 807-3	min. 1.0 mm

Voltage proof (Dielectric Withstand Voltage)

a) Contact - contact	IEC 512-2, 4a	min. 1.000 V AC/DC
b) Contact - shell/testpanel	IEC 512-2, 4a	min. 1.500 V AC/DC
Current carrying capacity	IEC 512-3, 5b	1.5 A @ 25° C
Contact resistance	IEC 512-2, 2a	max. 30 mOhm
Insulation resistance	IEC 512-2, 3a	min. 500 MOhm

Environmental properties

Operation temperature	0 - 70° C
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PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGS- ANFORDERUNG	PCB HOLE NUMBERING LP BOHRUNGS- NUMERIERUNG		
133167	CATEGORY 5, DUAL TWIST	2 4 6 8 1 3 5 7		
Information:		Tolerances	Scale 2:1	
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			MOD JACK - MJR 8P8C, 1X1, CAT 5	
		ERNI www.ERNI.com	133703	I (1/1) A3
E	05.07.2007		Class	MJ
Index	Date			